

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14	09/022713	US-PGPUB; USPAT	ADJ	ON	2008/12/15 11:21
L2	453	distance and laser interferomet\$4 and heterodyne	US-PGPUB; USPAT	ADJ	ON	2008/12/15 11:26
L3	42	distance and laser interferomet\$4 and heterodyne.ab.	US-PGPUB; USPAT	ADJ	ON	2008/12/15 11:26
L4	1	"6437463".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/15 13:30
L5	14	09/022713 or 09/141,762 and hetero\$	US-PGPUB; USPAT	ADJ	ON	2008/12/15 13:48
L6	0	(09/022713 or 09/141,762) and hetero\$	US-PGPUB; USPAT	ADJ	ON	2008/12/15 13:49
L7	14	(09/022713 or 09/141,762) and laser	US-PGPUB; USPAT	ADJ	ON	2008/12/15 13:49
S1	49	(US-20060138871-\$ or US-20010055182-\$ or US-20020129503-\$ or US-20030103263-\$).did. or (US-4925284-\$ or US-4575942-\$ or US-6201668-\$ or US-5920441-\$ or US-6005742-\$ or US-5325244-\$ or US-5438451-\$ or US-5670929-\$ or US-5745319-\$ or US-5838071-\$ or US-6025975-\$ or US-6105848-\$ or US-6112969-\$ or US-4503897-\$ or US-4761774-\$ or US-4867532-\$ or US-4999495-\$ or US-5196745-\$ or US-5258866-\$ or US-5524502-\$ or US-5616931-\$ or US-5726542-\$ or US-5760561-\$ or US-5982585-\$ or US-6043958-\$ or US-6052251-\$).did. or (US-6069416-\$ or US-6088181-\$ or US-6115223-\$ or US-6193199-\$ or US-6218764-\$ or US-6249300-\$ or US-6438856-\$ or US-6440758-\$ or US-6452378-\$ or US-6563767-\$ or US-6653763-\$ or US-6831807-\$ or US-6833974-\$ or US-6856070-\$ or US-7038877-\$ or US-7120191-\$ or US-7230676-\$ or US-7233435-\$ or US-7411764-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/12/04 09:58
S2	972	356/614.cds.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 10:52
S3	2	356/614.cds. and magnetostriect\$4	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:05
S4	0	vadim rakhovsky	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:07
S5	6	rakhovsky	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:07
S6	0	("2006/0138871").URPN.	USPAT	ADJ	ON	2008/12/05 11:08

## EAST Search History

S7	0	(magnetostrict\$4 and position\$3 and stage).ab.	USPAT	ADJ	ON	2008/12/05 11:14
S8	1638	magnetostrict\$4 and position\$3 and stage	USPAT	ADJ	ON	2008/12/05 11:14
S9	112	magnetostrict\$4.ab. and position\$3 and stage	USPAT	ADJ	ON	2008/12/05 11:15
S10	66	("3617126"   "3744902"   "4118869").PN. OR ("4575942").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:52
S11	1290	heterodyn\$ and (magnetostrict\$4 or piezo\$4 or PZT)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 13:27
S12	649	heterodyn\$ and (magnetostrict\$4 or piezo\$4 or PZT) and stage	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 13:28
S13	81	heterodyn\$ interferomet\$3 and (magnetostrict\$4 or piezo\$4 or PZT) and stage	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 13:30
S14	2	("4506154"   "4659224").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 13:53
S15	304	heterodyn\$ and (magnetostrict\$4 or piezo\$4 or PZT) and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 14:36
S16	106	heterodyn\$ and interferometer\$3 and (magnetostrict\$4 or piezo\$4 or PZT) and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 14:36
S17	73	("3789285"   "3889164"   "3935486"   "3943778"   "4019109"   "4087729"   "4129291"   "4234175"   "4392642"   "4409860"   "4425508"   "4443743"   "4485339"   "4492356"   "4504144"   "4506204"   "4506205"   "4507597"   "4514858"   "4516253"   "4525659"   "4575942"   "4615515"   "4628238"   "4630942"   "4641071"   "4648723"   "4648724"   "4653408"   "4654571"   "4667139"   "4675891"   "4677651"   "4684315"   "4687980"   "4698575"   "4708465"   "4723086"   "4742286"   "4744675"   "4750721"   "4770531"   "4803712"   "4808892"   "4812725"   "4817930"   "4870668"   "4887804"   "4891526"   "4916340"   "4948330"   "4952858"   "5022619"   "5040431"   "5059090"   "5120034"   "5140242"   "5150153"   "5172160"   "5228358"   "5241183"   "5260580"   "5280677"   "5285142"   "5327060"   "5453315"   "5504407"   "5530516"   "5982128"   "Re27289"   "Re27436").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 14:49
S18	46	("4891526").URPN.	USPAT	ADJ	ON	2008/12/05 15:05

## EAST Search History

S20	4	"4422002".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/08 11:53
S22	1	ru "2075797"	DERWENT	ADJ	ON	2008/12/08 15:36
S23	536	interferometer\$3 and (magnetostrict\$4 or piezo\$4 or PZT or strict\$4) and (XY or X-Y) and fine and (course or rough)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/08 17:54
S24	46	(356/153 or 355/53 or 350/531 or 33/568). ocls. and magnetostrict\$4	US-PGPUB; USPAT	ADJ	ON	2008/12/09 09:26
S25	201646	(copy\$3 or print\$3) and (backward\$2 or forward\$2) and (travel\$4 or mov\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 10:58
S26	1641	S25 and kinematic\$4 and (coupl\$3 or connect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 11:00
S27	151	S26 and (bear\$3 same plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 11:01
S28	7	S27 and frame\$3 and nanometer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 11:01
S31	248	S26 and frame\$3 and (nanometer\$3 or nm)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 11:04
S32	167	S31 and (bear\$3 and plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 11:05
S33	212	nanomet\$4 and (XY or X-Y or axes) and magnetostrict\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 11:27

## EAST Search History

S34	62	("2691887"   "2728222"   "3283568"   "4103542"   "4391044"   "4441177"   "4574625"   "4641773"   "4669300"   "4724318"   "4883959"   "5146690"   "5253106"   "5266801"   "5307693"   "5308974"   "5309755"   "5347854"   "5406832"   "5412980"   "5414690"   "5426302"   "5481521"   "5488862"   "5509300"   "5513168"   "5627365"   "5629790"   "Re34331").PN. OR ("5948972").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 12:01
S35	8115	magnetostrict\$4 same (transducer or detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 13:14
S36	1539458	motor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 13:15
S37	46771	(laser same interferometer) or (capacitance near2 (detect\$3 or sens\$3 or measur\$5))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 13:16
S38	152	S37 and S36 and S35	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 13:16
S39	1	"5781295".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 14:08
S40	0	"4575942.pn"	US-PGPUB; USPAT; EPC; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 14:09
S41	2	"4575942".pn.	US-PGPUB; USPAT; EPC; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/09 14:09
S42	66	("3617126"   "3744902"   "4118869").PN. OR ("4575942").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 14:09

# EAST Search History

S43	100	(US-20060138871-\$ or US-20060001889-\$ or US-20040152233-\$ or US-20050259263-\$ or US-20070031993-\$ or US-20070222991-\$ or US-20030179445-\$ or US-20030164948-\$ or US-20040061869-\$ or US-20040085546-\$ or US-20050134862-\$ or US-20050157309-\$ or US-20050162664-\$ or US-20050237536-\$ or US-20050248772-\$ or US-20060187464-\$ or US-20060215173-\$ or US-20080117428-\$ or US-20080105069-\$ or US-20020012506-\$ or US-20030043384-\$ or US-20030184759-\$ or US-20040114152-\$ or US-20070064240-\$ or US-20080154124-\$ or US-20010053648-\$). did. or (US-20030118294-\$ or US-20080295570-\$ or US-20030178988-\$ or US-20050134851-\$ or US-20050183713-\$ or US-20050111062-\$ or US-20010030522-\$ or US-20050055956-\$ or US-20080013089-\$). did. or (US-6260282-\$ or US-4604562-\$ or US-4676649-\$ or US-4452526-\$ or US-5511930-\$ or US-7193723-\$ or US-6363168-\$ or US-7289215-\$ or US-7292354-\$ or US-7262860-\$ or US-7274462-\$ or US-7280223-\$ or US-7280224-\$ or US-7289226-\$ or US-7321432-\$ or US-7375823-\$ or US-7433049-\$ or US-4087729-\$ or US-5142791-\$ or US-6353271-\$ or US-6252667-\$ or US-6271923-\$ or US-6313918-\$ or US-6504608-\$ or US-6541759-\$ or US-6631004-\$).did. or (US-6856402-\$ or US-6888638-\$ or US-6987569-\$ or US-7023551-\$ or US-7139080-\$ or US-3586950-\$ or US-3670228-\$ or US-6904190-\$ or US-4414749-\$ or US-4442388-\$ or US-4742376-\$ or US-5243195-\$ or US-6389702-\$ or US-6391251-\$ or US-7119566-\$ or US-5140242-\$ or US-5773951-\$ or US-6069416-\$ or US-7061577-\$ or US-7082940-\$ or US-4520060-\$ or US-3723585-\$ or US-5528118-\$ or US-5982128-\$ or US-6114780-\$ or US-6281654-\$ or US-6841965-\$).did. or (US-6438856-\$ or US-4595331-\$ or US-4845843-\$ or US-4891529-\$ or US-4928106-\$ or US-4986665-\$ or US-5148457-\$ or US-5184055-\$ or US-5461237-\$ or US-5552716-\$ or US-5684594-\$ or US-5686991-\$).did.	US-PGPUB; USPAT	ADJ	ON	2008/12/09 14:41
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## EAST Search History

S44	4	("3869799"   "3946492"   "4553332"   "5119568").PN. OR ("6438856").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/09 15:07
S45	1	"5623853".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/10 16:31
S46	2	"5623853".pn. or "5040431.pn" or "4667139".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/10 16:53
S47	3	"5623853".pn. or "5040431".pn. or "4667139".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/10 16:53
S48	1	10/520966	US-PGPUB; USPAT	ADJ	ON	2008/12/10 18:17
S49	0	laser heterodyn interferometer	US-PGPUB; USPAT	ADJ	ON	2008/12/10 18:26
S50	39	laser heterodyne interferometer	US-PGPUB; USPAT	ADJ	ON	2008/12/10 18:27
S51	59	laser heterodyne interferomet\$3	US-PGPUB; USPAT	ADJ	ON	2008/12/10 18:27
S52	1	"5726642".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/12 12:59
S53	4	("5726642").URPN.	USPAT	ADJ	ON	2008/12/12 12:59
S54	11	("5726542").URPN.	USPAT	ADJ	ON	2008/12/12 12:59
S55	1354	permanent magnet and magnetostrict\$3 and (actuator or position\$3)	USPAT	ADJ	ON	2008/12/12 13:08
S56	246	permanent magnet and magnetostrict\$3. ab. and (actuator or position\$3)	USPAT	ADJ	ON	2008/12/12 13:08
S57	8	("4257022"   "4605911"   "5184037"   "5249117"   "5406153"   "5701043"   "6037682"   "6570298").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 13:09
S58	0	four pairs of actuator\$3 and wafer and air and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 13:39
S59	0	pairs of actuator\$3 and wafer and air and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 13:39
S60	199	four pairs and wafer and air and vacuum	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 13:40
S61	143	four pairs and wafer and air and vacuum and laser	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 13:40
S62	45	four pairs and wafer and air and vacuum and laser and interferomet\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 13:40
S63	1048	coarse and fine and wafer and air and vacuum and laser and interferomet\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 14:28

## EAST Search History

S64	304	coarse and fine and wafer and air and vacuum and laser and interferomet\$4 and linear motor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 14:28
S65	1	"5585629".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 15:10
S66	1	"5585629".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 15:19
S67	1	"6260828".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 15:20
S68	1	"6260282".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/12 15:20